



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

#10/18-8  
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TECHNOLOGY CENTER 2800

In re Patent Application of:

Cai et al.

Docket No.: 114685-00105

Filed: February 6, 2001

For: MINERAL INSULATED METAL  
SHEATH CABLES

) Serial Number: 09/776,676

) Group Art Unit: 2831

) Examiner: C. Nguyen

) Date: July 26, 2002

**AMENDMENT**

Director of Patents and Trademarks  
Washington, D.C. 20231  
Sir:

This Amendment is filed in response to the Office Action dated April 25, 2002. Filed concurrently filed herewith is a Request for Extension of Time under 37 C.F.R. 1.136 together with a check to cover the required fee.

Please amend the above-identified application as follows:

**In the Claims**

Please amend claims 17-20 as follows:

17. (Amended) A cable including an outer metallic sheath with at least one metallic conductor therein, and having a mineral insulation disposed between the outer sheath and the metallic conductor; and

the mineral insulation comprising an MgO insulation having between 3% and 20% by dry weight of a kaolin additive, wherein the kaolin additive prevents moisture from infiltrating the insulation and increases the resistivity of the insulation at high temperatures.

18. (Amended) A process of making a cable, comprising:  
providing an outer metallic sheath;  
disposing at least one metallic conductor in the metallic sheath;